

CONTENTS

(Abstracts/contents lists published in: Chem. Abstr.; Curr. Contents, Phys. Chem. Earth Sci., Life Sci.)

- Determination of substituent distribution in cellulose ethers by ^{13}C - and ^1H -n.m.r. studies of their acetylated derivatives: *O*-(2-hydroxypropyl)cellulose
Y. TEZUKA, K. IMAI, M. OSHIMA, AND T. CHIBA (Niigata, Japan) 1
- Aspects of the glass transition behaviour of mixtures of carbohydrates of low molecular weight
P. D. ORFORD, R. PARKER, S. G. RING (Norwich, Gt. Britain) 11
- ^1H -N.m.r. studies of a natural immunoadjuvant peptidoglycan monomer: proposed structure in solution in methyl sulfoxide
B. KLAIC (Zagreb, Yugoslavia) AND R. L. DOMENICK (Sunnyvale, CA, U.S.A.) 19
- Phase-transfer-catalyzed synthesis of aryl α -ketosides of *N*-acetylneuraminic acid. A 2-methyl-fluoran-6-yl glycoside of *N*-acetylneuraminic acid, 2-methyl-6-(5-acetamido-3,5-dideoxy- α -D-glycero-D-galacto-nonulopyranosylonic acid)xanthene-9-spiro-1'-isobenzofuran-3'-one, a new substrate for neuraminidase assay
J. ROTHERMEL AND H. FAILLARD (Saarbrücken, F.R.G.) 29
- Synthesis of C-glycosylarenes by way of internal reactions of benzylated and benzoyleated carbohydrate derivatives
O. R. MARTIN, C. A. V. HENDRICKS, P. P. DESHPANDE, A. B. CUTLER, S. A. KANE, AND S. P. RAO (Binghamton, NY, U.S.A.) 41
- Synthesis of α -Kdo-(2 \rightarrow 4)-Kdo disaccharide derivatives and their conjugation with a protected form of GLA-60, a biologically active analog of a lipid A subunit
M. KISO, M. FUJITA, Y. OGAWA, H. ISHIDA, AND A. HASEGAWA (Gifu, Japan) 59
- Synthesis of 2-acetamido-2-deoxyglucosylasparagine glyco-tripeptides and -pentapeptides by selective C- and N-terminal elongation of the peptide chain
H. WALDMANN, J. MÄRZ, AND H. KUNZ (Mainz, F.R.G.) 75
- Synthesis of the tetrasaccharide repeating-unit of the polysaccharide from *Klebsiella* type 23
A. K. RAY AND N. ROY (Calcutta, India) 95
- Structure and serological properties of the capsular K11 antigen of *Escherichia coli* O13:K11:H11
M.-L. RODRIGUEZ, B. JANN, AND K. JANN (Freiburg-Zähringen, F.R.G.) 101
- Further structural studies of anti-complementary acidic heteroglycans from the leaves of *Panax ginseng* C. A. Meyer
Q.-P. GAO, H. KIYOHARA, AND H. YAMADA (Tokyo, Japan) 111
- Structure of the putative O23 antigen of *Serratia marcescens*
D. OXLEY AND S. G. WILKINSON (Hull, Gt. Britain) 127
- An enzyme-linked immunosorbent assay for the measurement of Lewis blood-group α -(1 \rightarrow 4)-fucosyltransferase activity
M. M. PALCIC, R. M. RATCLIFFE, L. R. LAMONTAGNE, A. H. GOOD, G. ALTON, AND O. HINDSGAUL (Edmonton, Alb., Canada) 133

(Continued overleaf)

Notes

Preparation, structure, and solution dynamics of phenyldichloroarsine-thio sugar adducts K. DILL, S. HU (Clemson, SC, U.S.A.), R. J. O'CONNOR, AND E. L. MCGOWN (San Francisco, CA, U.S.A.)	141
G.l.c.-m.s. analysis of methylated 2-acetamido-2-deoxy-D-glucitol phosphates U. ZÄHRINGER, H. MOLL, E. TH, RIETSCHER (Borstel, F.R.G.), B. KRASKA (Darmstadt, F.R.G.), M. IMOTO AND S. KUSUMOTO (Toyonaka, Japan)	147
Synthesis and 2D-n.m.r. analysis of a pentasaccharide glycoside of the biological repeating units of <i>Shigella flexneri</i> variant Y polysaccharide and the preparation of a synthetic antigen B. MARIO PINTO, K. B. REIMER, D. G. MORISSETTE, AND D. R. BUNDLE (Burnaby, B.C., Canada)	156
The synthesis, structure, and chemical transformation of methyl esters of <i>O</i> -(3,4-di- <i>O</i> -acetyl-2-deoxy-2-hydroxyimino-D-erythro-pentopyranosyl)- <i>N</i> -tosyl-L-serine, -L-threonine, and -L-tyrosine Z. SMIATACZ AND H. MYSZKA (Gdańsk, Poland)	167
Isolation and characterization of feruloylated arabinoxylan oligosaccharides from bamboo shoot cell-walls T. ISHII AND T. HIROI (Ibaraki, Japan)	175
<i>O</i> -Glycosylhydroxylamines: a new class of monosaccharide E. M. NASHED (Bethesda, MD, U.S.A.), E. GROCHOWSKI AND E. CZYZEWSKA (Warsaw, Poland)	184
Identification of 2-acetamido-3- <i>O</i> -(3-acetamido-3,6-dideoxy- β -D-glucopyranosyl)-2-deoxy-D-galactopyranose isolated after degradation of the lipopolysaccharide from <i>Vibrio parahaemolyticus</i> Serotype O12 S. KONDO AND U. ZÄHRINGER (Borstel, F.R.G.)	191
Carbohydrate structures of quail ovomucoid. Characterization of degraded oligosaccharides produced during alkaline hydrolysis of the asparaginyl- <i>N</i> -acetylglucosamine linkage J. MARÍA ALONSO, P. BOULENGUER, J.-M. WIERUSZESKI, Y. LEROY, J. MONTREUIL, AND B. FOURNET (Villeneuve d'Ascq, France)	198
Preparation of deuterium-labeled methyl glycosides of <i>N</i> -acetylneuraminic acid D. S. THOMSON AND J. H. PRESTEGARD (New Haven, CT, U.S.A.)	206
Announcement	c1
Author index	c3
Subject index	c5



